

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,672,447 B2
APPLICATION NO. : 09/584796
DATED : March 2, 2010
INVENTOR(S) : Lindqvist et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Page 2, in Item (56), under "OTHER PUBLICATIONS", in Column 1, Line 8, delete "Enchede," and insert -- Enschede --, therefor.

In Fig. 7, Sheet 5 of 8, for Tag "104", Line 1, delete "V_i." and insert -- V_i, --, therefor.

In Column 1, Line 43, delete "General" and insert -- Generally --, therefor.

In Column 2, Line 52, delete "symbols." and insert -- symbol. --, therefor.

In Column 2, Line 53, after "is" insert -- (L+N) --.

In Column 5, Line 33, delete "of" and insert -- for --, therefor.

In Column 5, Line 51, in Equation (1), delete " $X_i=[X_i(0), X_i(1),$ " and insert -- $X_i=[X_i(0), X_i(1),$ --, therefor.

In Column 6, Line 2, delete "receiving" and insert -- received --, therefor.

In Column 6, Line 10, in Equation (4), delete " $x_i=QX_i$ " and insert -- $s_i=QX_i$ --, therefor.

In Column 7, Line 9, delete " $N \times I$ " and insert -- $N \times 1$ --, therefor.

In Column 9, Line 10, delete " $E_i=Y_i=\hat{Y}_i$ " and insert -- $E_i=Y_i-\hat{Y}_i$ --, therefor.

In Column 9, Line 57, delete " $X_{imag,1}$ " and insert -- $X_{imag,i}$ --, therefor.

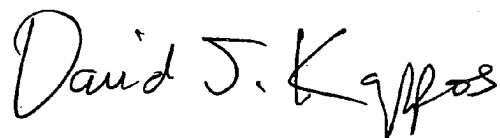
In Column 9, Line 60, Equation (24), delete " $(N/2)]^b$ " and insert -- $(N/2)]^T$ --, therefor.

In Column 10, Line 25, after "further" insert -- defined --.

In Column 10, Line 26, delete "N-1" and insert -- L-1 --, therefor.

Signed and Sealed this

Nineteenth Day of October, 2010



David J. Kappos
Director of the United States Patent and Trademark Office

In Column 11, Line 42, in Equation (40), delete “ $\hat{Y}_i = V \cdot X_i + Z_i(X_i - \bar{X}_{i-1})$, ” and insert -- $\hat{Y}_i = \mathbf{V}_i \bullet \mathbf{X}_i + \mathbf{Z}_i(\mathbf{X}_i - \bar{\mathbf{X}}_{i-1})$ --, therefor.

In Column 11, Line 63, in Equation (43), delete “ $Z_{i+1}Z_i + \mu E_i(X_i^* - \bar{X}_{i-1}^*)^T$ ” and insert -- $\mathbf{Z}_{i+1} = \mathbf{Z}_i + \mu \mathbf{E}_i(\mathbf{X}_i^* - \bar{\mathbf{X}}_{i-1}^*)^T$ --, therefor.

In Column 13, above Equation (47),

insert -- $\mathbf{V}_{i+1} = \mathbf{V}_i + \mu \mathbf{E}_i \bullet (\mathbf{X}rep_i^*)^T$ (46) --.

In Column 13, Line 5, Equation (47) delete “ $V_{i+1} = V_i + \mu E_i(X_i^* - \bar{X}_{i-1}^*)^T$ ” and insert -- $\mathbf{Z}_{i+1} = \mathbf{Z}_i + \mu \mathbf{E}_i(\mathbf{X}_i^* - \bar{\mathbf{X}}_{i-1}^*)^T$ --, therefor.

In Column 13, Line 37, delete “ $\{(V_i; x_i), q\}$ ” and insert -- $\{(V_i; x_i), q\}$ --, therefor.

In Column 13, Line 51, in Equation (51), delete “ $Z_{i+1} = Z_i + \mu E_i rep_i(X_i^* - \bar{X}_{i-1}^*)^T$ ” and insert -- $\mathbf{Z}_{i+1} = \mathbf{Z}_i + \mu \mathbf{E}rep_i(\mathbf{X}_i^* - \bar{\mathbf{X}}_{i-1}^*)^T$ --, therefor.

In Column 14, Line 43, delete “(29).” and insert -- (39). --, therefor.

In Column 16, Line 59, in Claim 17, after “remove” insert -- the transformed estimate --.